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REC'L 03 OCT 2004

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	EOD ET DEVEN A CONT	See Notification of Transmittal of International				
2201472-WO0			y Examination Report (Form PCT/IPEA/416)			
International application No.	International filing date (day/month/year) Priority date (day/n		Priority date (day/month/year)			
PCT/IL03/00963	13 November 2003 (13.11.2	.003)	14 November 2002 (14.11.2002)			
International Patent Classification (IPC)	or national classification and I	PC	2012 (0.1100)			
IPC(7): A61N 1/04 and US Cl.: 607/57						
Applicant			37			
BRAINSGATE LTD						
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.						
2. This REPORT consists of	a total of 3 sheets, including	g this cover sheet.				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a	total of sneets.					
3. This report contains indica	tions relating to the following	ing items:				
I Basis of the repo	ort					
II Priority	II Priority					
III Non-establishme	ent of report with regard to	novelty, inventive	step and industrial applicability			
IV Lack of unity of	invention					
V Reasoned statem applicability; cit	V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI Certain documents cited						
VII Certain defects i	s in the international application					
VIII Certain observat	tions on the international application					
Date of submission of the demand		Date of completion of this report				
15 June 2004 (15.06.2004)		19 September 2004 (19.09.2004)				
Name and mailing address of the IPEA/US Mail Stop PCT, Atm: IPEA/US		uthorized officer	16. Azz			
Commissioner for Patents		Kristen Mullen 7	Therein for			
P.O. Box 1450 Alexandria, Virginia 22313-1450						
Facsimile No. (703) 305-3230		Telephone No. 703-605-1185				

Form PCT/IPEA/409 (cover sheet)(July 1998)

INTERNATIONAL PRELIMIN EXAMINATION REPORT

International application No.	
PCT/IL03/009	

I.	Basi	s of the report				
1.	With	regard to the elements of the international application:*				
	\bowtie	the international application as originally filed.				
	\boxtimes	the description:				
		pages 1-38 as originally filed				
		pages NONE , filed with the demand pages NONE , filed with the letter of				
	\square					
		the claims:				
		pages 39-50 , as originally filed pages NONE , as amended (together with any statement) under Article 19				
		pages NONE , filed with the demand				
		pages NONE, filed with the letter of				
	\bowtie	the drawings:				
		pages 1-9, as originally filed				
		pages NONE , filed with the demand				
		pages NONE, filed with the letter of				
		the sequence listing part of the description:				
		pages NONE , as originally filed pages NONE , filed with the demand				
		pages NONE, filed with the letter of				
2.	With	regard to the language, all the elements marked above were available or furnished to this Authority in the				
	iangu	lage in which the international application was filed, unless otherwise indicated under this item				
	THESE	e elements were available or furnished to this Authority in the following language which is:				
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).				
		the language of publication of the international application (under Rule 48.3(b)).				
		the language of the translation furnished for the purposes of international preliminary examination (under Rules				
2		55.2 and/or 55.3).				
э.	mici i	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:				
		contained in the international application in printed form.				
		filed together with the international application in computer readable form.				
		furnished subsequently to this Authority in written form.				
		furnished subsequently to this Authority in computer readable form.				
	\square	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the				
		international application as filed has been furnished.				
		The statement that the information recorded in computer readable form is identical to the written sequence listing				
		has been furnished.				
4.		The amendments have resulted in the cancellation of:				
		the description, pages NONE				
		the claims, Nos. NONE				
		the drawings, sheets/ fig NONE				
5.		- ·				
		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**				
*****	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.					
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International	cation No.
	and I to.
PCT/IL03/00	

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. STATEMENT		•		
Novelty (N)	Claims <u>1-104</u>	YES		
	Claims NONE	NO		
Inventive Step (IS)	Claims <u>1</u> -104	YES		
	Claims NONE	NO		
Industrial Applicability (IA)	Claims <u>1-104</u>	YES		
	Claims NONE	NO.		

2. CITATIONS AND EXPLANATIONS

Claims 1-52 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest an apparatus comprising a stimulator adapted to stimulate at least one site of the subject, the site selected from the list consisting of: an otic ganglion, an afferent fiber going into the otic ganglion, an efferent fiber going out of the otic ganglion, a sphenopalatine ganglion (SPG) of the subject, an anterior ethmoidal nerve of the subject, a posterior ethmoidal nerve of the subject, a communicating branch between an anterior ethmoidal nerve and a retro-orbital branch of an SPG of the subject, a greater palatine nerve of the subject, a lesser palatine nerve of the subject, a sphenopalatine nerve of the subject, a communicating branch between a maxillary nerve and an SPG of the subject, a nasopalatine nerve of the subject, a posterior nasal nerve of the subject, an infraorbital nerve of the subject, an otic ganglion of the subject, an afferent fiber going into the otic ganglion of the subject, an efferent fiber going out of the otic ganglion of the subject, a vidian nerve of the subject, a greater superficial petrosal nerve of the subject, and a lesser deep petrosal nerve of the subject.

Claims 53-104 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a method comprising stimulating at least one site of the subject, the site selected from the list consisting of: an otic ganglion, an afferent fiber going into the otic ganglion, an efferent fiber going out of the otic ganglion, a sphenopalatine ganglion (SPG) of the subject, an anterior ethmoidal nerve of the subject, a posterior ethmoidal nerve of the subject, a communicating branch between an anterior ethmoidal nerve and a retro-orbital branch of an SPG of the subject, a communicating branch between a posterior ethmoidal nerve and a retro-orbital branch of an SPG of the subject, a greater palatine nerve of the subject, a lesser palatine nerve of the subject, a sphenopalatine nerve of the subject, a communicating branch between a maxillary nerve and an SPG of the subject, a nasopalatine nerve of the subject, a posterior nasal nerve of the subject, an infraorbital nerve of the subject, an otic ganglion of the subject, an afferent fiber going into the otic ganglion of the subject, an efferent fiber going out of the otic ganglion of the subject, a vidian nerve of the subject, a greater superficial petrosal nerve of the subject, and a lesser deep petrosal nerve of the subject.

Claims 1-104 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.